# Public Works (1913 ) Department.

**G.O. No.** 198 9

**DATED** 3. 4. **1913..**

The Notes
in this G.O. have been printed.

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**[Despatch Abstract.]**

Sanctioning with remarks an estimate amounting to Rs 10,086 inclusive of Establishment Charges for constructing a bye wash in the left flood bank of the Cheyyar anicut

[P. W. 9.
2,000—2-10-12.]

Indexed. [illegible] 12/4

Registered as No 3-I of 1913-14 [illegible] 17/4/13

## BACK PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
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## FURTHER PAPERS.

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# Government of Madras.

## PUBLIC WORKS DEPARTMENT.

IRRIGATION
ACCOUNT.

*Recd.* } 1913. *Enclosures*
*Regd.* *Spare copies*

## G.O. No. 198 I., 3rd April 1913.

**Byewash in the left flood bank of the Cheyyar anicut.**

Sanctioning, with remarks, an estimate amounting to Rs. 10,086 inclusive of establishment charges for constructing a — North Arcot District.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

**Irrigation.**
**Account.**

READ—the following papers :—

I

*Letter*—from Mr. C. W. WOOD, Superintending Engineer, VII Circle.
*To*—the Chief Engineer for Irrigation.
*Dated*—Madras, the 19th November 1912.
*No.*—499 E.I.

I have the honour to forward herewith for sanction as called for in your Dis. No. 367, dated 17th February 1912, plans and estimate amounting to Rs. 8,200 for constructing a byewash in the left flood bank of the Cheyar anicut, for a length of 1,000 feet, keeping the crest level of the same at 390·50.

ENCLOSURE.

*Report to accompany the estimate for constructing a 1,000 feet byewash in the left flood bank of the Cheyar anicut.*

| | RS. |
|---|---|
| Amount of estimate ... ... ... ... ... ... ... | 8,200 |

This estimate is prepared in accordance with the instructions conveyed in Chief Engineer's Memorandum No. 367, dated 14/17th February 1912.

The estimate provides for constructing a byewash for a thousand feet in length, at the site of the old breach of 1903, commencing at 775 feet from the anicut. It will consist of a masonry roughstone body wall 3′ × 3′ with a dry rough stone apron on both sides 18 feet in front and 17 feet in rear packed with stones 2 feet in thickness and revetted wings.

Leading channels 20 feet in width will be cut open in three places where the ground is high to allow the surplus to make its own way. The crest of the byewash will be at 390·50, *i.e.*, 6 inches above the level of the road dam as per Chief Engineer's instructions. This will be 2 feet above the falling shutters and 4½ feet above the anicut masonry crest.

All works will be carried out as per standard specifications.

F. W. CORNWELL,
*Executive Engineer, North Arcot Division.*

II

**Memorandum R.O.C. No. 3325/12, dated 21st December 1912.**

With reference to letter No. 499 E.I., dated 19th November 1912, of the Superintending Engineer, VII Circle, forwarding an estimate for constructing a byewash in the left flood bank of the Cheyar anicut, the Chief Engineer for Irrigation has the honour to request that the Superintending Engineer will be so good as to report to this office at an early date, whether anything occurred during the floods of November last to induce him to recommend any modifications of the proposal.

(By Order.)

F. E. MORGAN,
*Assistant Chief Engineer for Irrigation.*

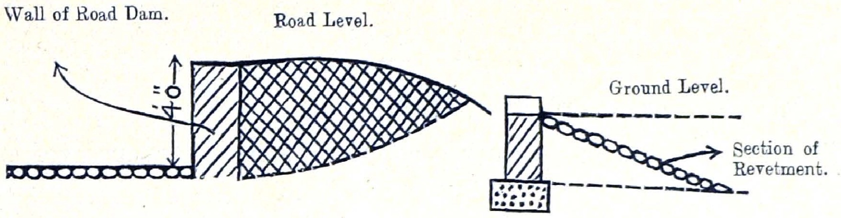
To the Superintending Engineer, VII Circle.

## III

*Letter*—from F. W. CORNWELL, Esq., Executive Engineer, North Arcot Division
*To*—the Superintending Engineer, VII Circle.
*Dated*—the 26th January 1913.
*No.*—76-S.E.

With reference to your No. 9-N.A., dated 6th January 1913, I have the honour to report that nothing occurred during the flood of 1912 to suggest the necessity of modifying the proposals for constructing a byewash in the left flood bank above Cheyar anicut except perhaps that from the way the road way was scoured out at the Road dam, it would appear advisable to strengthen this by constructing a wall on the upper side of the road as shown in red in sketch.

E 177.




The wall of the road dam was not overturned but the earth above was scoured out down to apron level as shown in the portion cross hatched in sketch, and if the wall has overturned, the earth above which is chiefly sand would have cut back for some considerable distance. About $1\frac{1}{2}$ feet of water was flowing over the road dam for two days.

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*No. 82-E.I., dated 4th February* 1913.

Copy forwarded to the Chief Engineer for Irrigation with reference to his Memorandum R.O.C. No. 3325/12, dated 21st December 1912, for information.

C. W. WOOD,
*Superintending Engineer, VII Circle.*

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## IV

**Note by the Chief Engineer for Irrigation, R.O.C. No. 3325/12, dated 26th March 1913.**

In 1910, the Superintending Engineer, IV Circle, reported that the M.F.L. at the Cheyar anicut, North Arcot district, during the floods of 1903 which was the highest ever recorded, rose to + 398·92 or to the level of the string course of the bridge over the anicut and that a portion of the flood water escaped over the low portions of the left flood bank above the anicut. It was further reported that the Executive Engineer, North Arcot Division, had submitted an estimate for Rs. 76,500 for providing lift shutters so as to increase the water-way in the anicut but the Superintending Engineer considered that there was no justification for the expenditure proposed. After a lengthy correspondence on the subject it was finally concluded that the construction of a byewash 1,000 feet long, and with its crest at + 390·50, in the left flood bank above the anicut would be a suitable and economical arrangement to reduce the flood level at the anicut and the Superintending Engineer was, in this office Dis No. 367, dated 14th February 1912, requested to submit an estimate for the same.

2. With his letter No. 499-E. I., dated 19th November 1912, the Superintending Engineer, VII Circle, now submits an estimate amounting to Rs. 8,200 for constructing the byewash referred to above.

The byewash is 1,000 feet long and is proposed to be built in the left flood bank commencing at 775 feet above the anicut. It consists of a masonry body wall 3′ × 3′ with its crest at + 390·50 and drystone aprons 18 feet and 17 feet wide in front and rear respectively with revetted ends.

The work is considered necessary to reduce the afflux at the anicut during high floods and the estimate is recommended for sanction.

3. The Superintending Engineer should see during execution that the body wall is founded on clay, to a depth of at least 6 inches, throughout.

4. The question of strengthening the road dam referred to in letter No. 76 S.E., dated 26th January 1913, from the Executive Engineer, North Arcot Division, has been taken up separately.

H. E. CLERK,
*Chief Engineer for Irrigation.*

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

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**Order—No. 198 I., dated 3rd April 1913.**

The recommendation of the Chief Engineer for Irrigation is approved and the following estimate sanctioned :—

Imperial.
Capital expenditure not charged to Revenue.
49. Irrigation.
Cheyar Anicut system.
Open capital account.
I works.
1 Head works.
C works.
Unremunerative work.
Constructing a byewash in the left flood bank of the Cheyar Anicut.

| | RS. |
|---|---|
| Estimate— | |
| I Works ... ... ... ... ... ... ... | 8,200 |
| II Establishment ... ... ... ... ... ... ... | 1,886 |
| Total .. | 10,086 |

2. The sanction accorded in paragraph 1 is registered as No. 3-I of 1913–14 and will expire on 31st March 1914.

3. The attention of the Superintending Engineer, VII Circle, is drawn to paragraph 3 of the note by the Chief Engineer for Irrigation.

(True Extract.)

H. E. CLERK,
*Joint Secretary to Govt, P.W.D.*
*(Irrigation Branch).*

To the Chief Engineer for Irrigation.
,, Superintending Engineer, VII Circle, with plans and estimates.
,, Accountant-General, Madras.

Forwarded

(By Order.)

*Deputy Registrar.*

PUBLIC WORKS DEPARTMENT
IRRIGATION BRANCH.

# NOTES CONNECTED WITH G.O. No. 198 I., DATED 3RD APRIL 1913.

[SUBJECT.—*Estimate for constructing a byewash in the left flood bank of the Cheyar anicut.*]

*Note by the Chief Engineer for Irrigation, R.O.C. No.* 3325/12, *dated* 26*th March* 1913.

*Under Secretary—*
*Joint Secretary—*

A draft order sanctioning the estimate is submitted. The necessity for the proposed byewash is explained in the note by the Chief Engineer for Irrigation.

It is for orders whether the draft order should be circulated to the Honourable Member.

S.A.V.—26-3-13.
M.S.V.—26-3-13.

F. E. MORGAN—26-3-13.

*Honourable Member—*

H. E. CLERK—26-3-13.
H. A. S[TUART]—27-3-13.

*Under Secretary—*

The draft order may issue.

S.A.V.—28-3-13.
M.S.V.—28-3-13.

Issue.

F.E.M—28-3-13.

[Issued as G.O. No. 198 I., dated 3rd April 1913.]

OFFICE OF THE CHIEF ENGINEER FOR IRRIGATION.

pp1-2 c/- from the S.E. VII No. 4555 I d/ 19.11.

" 3 " D. Do R.C 3325/12 d/ 21.1.

" 4-5 " from Do 82 E I d/ 4.2.13

Note by the Chief Engineer

for Irrigation. R.C 3325/12

---- d/. 26-3-13

vide pages 1 to 15 of C.F. in Dis. No. 367 / 14-2-12 R

In 1910, the S.E.IV Circle, reported that the M.F.L. at the Cheyar anicut, North Arcot District, during the floods of 1903 which was the highest ever - recorded, rose to +398.92 or to the level of the string course of the - bridge over the anicut and that a portion of the flood water escaped over the low portions of the left flood - bank above the anicut. It was further reported that the Ex. Engineer, North Arcot Division had submitted an estimate for Rs. 76,500 for providing lift -- shutters so as to increase the waterway in the anicut but the S.E., considered that there was no justification for ~~any~~ the

expenditure

7 / 10

expenditure proposed ~~on lift shutters~~. After a lengthy correspondence on the subject it was finally concluded that the construction of a byewash 1000 ft long, with its crest at +390.50, in the left flood bank above the anicut would be a suitable and economical arrangement to reduce the flood levels ~~against~~ at the anicut and the S.E., was in this office ~~R.O.C.~~ Dis No. 367 dated 14-2-1912 requested to submit an estimate for the same.

vide flag R in Dis No. 367 / 14-2-12. R

pp1-2 of 2

With his letter No. 499 E.I., dated 19th November 1912, the S.E., VII Circle now submits an estimate amounting to Rs.8,200 for constructing the byewash referred to above.

plan No. 36 B / 1912

The byewash is 1000 ft long and is proposed to be built in the left flood bank commencing at 775 ft above the anicut. It consists of a masonry ~~skin~~ body wall 3' x 3' with its crest at +390.50 and drystone ~~pavements~~ aprons 18 ft and 17 ft wide in front and rear --

8

respectively with revetted ends.

The work is considered necessary to reduce the afflux at the anicut -- during high floods and the estimate is recommended for sanction.

3 The S.E. should see during execution that the body wall is founded on clay, to a depth of at least 6", throughout.

17/12/12

17/12/12

To

The Joint Secy to Govt:
with C.F.

4 The question of strengthening the road dam referred to in letter No 96 SE d/ 26-1-13 from the S.E. N. Arcot Divn has been taken up separately

26/3/13

P.S.C.F.

12

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

Tabling Abstract.

Sanctioning with remarks an estimate amounting to Rs 10,086 inclusive of Establishment charges for constg a byewash in the Left Flood Bank of the Cheyyar Anicut.

Cross References.

Bank
Anicut

Read the following :—

Print N. D. by E. I. R. — 3325/12 dy. 26.3.1913

Print Notes

Circulated to

ORDER—No. 1989, dated 3.4.13

Press

The recommendation of the E. I is appd: — the following Estimate Sanctioned:

Imperial Irrigation

Capital Expenditure not charged to Rev.

49 Irrigation

108

Cheyar Bund System

open Capital Account

I Works

1 Head works

C Works

Unremunerative work.

Constructing a bye-work in the left flood bank of the Cheyar Bund.

Estimate Rs

| | |
|---|---|
| I Works | 8,200 |
| II Establishment | 1,886 |
| Total | 10,086 |

2 The sanction accorded in para 1 is registered as No 3-D of ~~1912-13~~ 1913-14 & will expire on 31.3.14.

3 The attention of the S.E. VII is drawn to para 3 of the N.W. by E.D.

8200
23
24600
16400
1886.00

DESPATCHED
17 MAY 1913

17/5/13

To
The E.D.
" S.E. VII with plans & Est.
" A.G.

11/4/13

26.3.13.

26.3.13

26/3/13

Encls: 4 plans
1 estimate with data
and a quarry map
Total 5

26.3.13.